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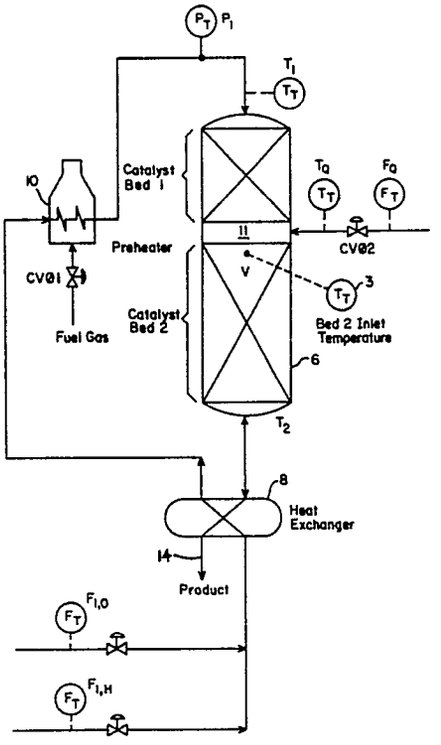
(54) Autoacceleration control for exothermic reactors.

(57) In an autoacceleration control system and method for an exothermic reactor such as a catalytic hydrocracker (6), a signal predicting the reaction temperature is generated by means of a reactor model and the rate of application of a corrective agent (fuel gas; coolant) is adjusted (CVØ1; CVØ2) so as thereby to inhibit autoacceleration of the hydrocracker (6).

FIG. 1
REACTOR FLOWSHEET



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EUROPEAN SEARCH REPORT

Application Number

EP 88 30 4368

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A-4 132 529 (SCHWIMMER) * Abstract; column 1, lines 19-22,31-35; column 4, lines 41-48; column 5, line 1 - column 6, line 26; column 7, lines 10-24; claims 1-7 *	1-9	C 10 G 47/36 B 01 J 19/00
A	US-A-3 402 121 (N.M. HALLMAN)		
A	US-A-1 951 725 (J. CHRIST)		
A	EP-A-0 208 609 (CO. DE RAFFINAGE)		
A	EP-A-0 094 208 (BABCOCK & WILCOX)		
A	US-A-4 617 110 (HINOJOS et al.)		

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

C 10 G
B 01 J

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	02-08-1989	LO CONTE C.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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E : earlier patent document, but published on, or after the filing date
D : document cited in the application
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